

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10971464-3

SERIAL NO.

09/784,674

APPLICANT

Karen W. Shannon et al.

FILING DATE

Feb. 15, 2001

GROUP

1631

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME
CSM ↓ ✓	1A	5,081,584	Jan. 14, 1992	Omichinski et al.
	1B	5,512,438	Apr. 30, 1996	Ecker
	1C	5,556,749	Sep. 17, 1996	Mitsubishi et al.
	1D	5,582,986	Dec. 10, 1996	Monia et al.
	1E	5,593,834	Jan. 14, 1997	Lane et al.
	1F	5,670,633	Sep. 23, 1997	Cook et al.
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FOREIGN PATENT DOCUMENTS

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	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

CSM ↓ ✓	1Q	Southern et al., "Analysizing and comparing nucleic acid sequences by hybridization to arrays of oligonucleotides: evaluation using experimental models", Genomics, Vol. 13, pp.1008-1017, 1992.
	1R	Handbook of Chemistry and Physics. The Chemical Rubber Co. 44th edition, pp.9-10, 1961.
	1S	Kress et al., Journal of Biomechanical Engineering, Vol. 109, No. 3, pp.218-225, 1987.

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PATENT APPLICATION

Sheet 2 of 9

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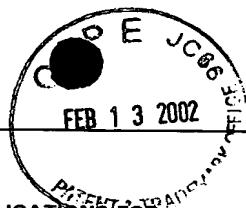
GSM ↓ ✓	2Q	OLIGO, Primer Analysis Software, version 5.0, National Biosciences, Inc., 3650 Annapolis Ln. N., #140, Plymouth, MN 55447.
	2R	D.J. Lockhart et al., "Expression Monitoring by Hybridization to High-Density Oligonucleotide Arrays", Nature Biotech., Vol. 14, pp. 1675-1684, 1996.
	2S	M. Mitsuhashi et al., "Oligonucleotide Probe Design: A New Approach, Nature, Vol. 367, pp. 759-761, 1994.

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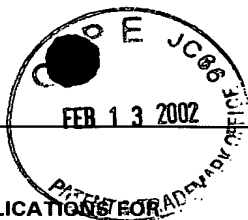
CSM ↓ V	3Q	HYBsimulator, Hybridization Simulation/Oligonucleotide Design Software, version 2.0, AGGT, Inc., 2102 Business Center Dr., Suite 170, Irvine, CA 92715.
	3R	R.A. Stull et al., "Predicting Antisense Oligonucleotide Inhibitory Efficacy: A Computational Approach Using Histograms and Thermodynamic Indices", Nuc. Acids Res., Vol. 20, No. 3, pp. 3501-3508, 1992.
	3S	L. Wodicka et al., "Genome-wide Expression Monitoring in Saccharomyces Cerevisiae", Nature Biotechnology, No. 15, pp. 1359-1367, 1997.

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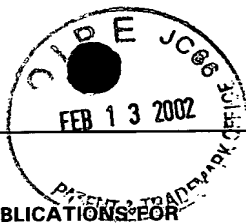
COM ↓ V	4Q	J. SantaLucia Jr. et al., "Improved Nearest-Neighbor Parameters for Predicting DNA Duplex Stability", Biochemistry, Vol 35, p.3555, 1996
	4R	N. Sugimoto et al., "Thermodynamic Parameters to Predict Stability of RNA/DNA Hybrid Duplexes", Biochemistry, Vol. 34, p. 11211, 1995
	4S	A. Kunitsyn et al., "Partial Thermodynamic Parameters for Prediction Stability and Washing Behavior of DNA Duplexes Immobilized on Gel Matrix", J. of Biomolecular Structure & Dynamics, Vol. 14, No. 2, pp. 239-244, 1996

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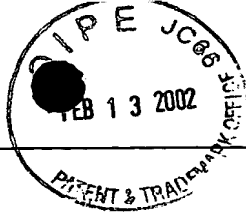
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GCM ↓ ✓	5Q	H. Chen et al., "Computer Program for Calculating the Melting Temperature of Degenerate Oligonucleotides Used in PCR or Hybridization", BioTechniques, Vol. 22, No. 6, pp. 1158-1160, 1997.
	5R	N. Eberhardt, "A Shell Program for the Design of PCR Primer Using Genetics Computer Group (GCG) Software (7.1) on VAX/VMS Systems", BioTechniques, Vol. 13, No. 6, pp. 914-917, 1992.
	5S	D. Hyndman et al., "Software to Determine Optimal Oligonucleotide Sequences Based on Hybridization Simulation Data", BioTechniques, Vol. 20, No. 6, pp. 1090-1094, 1996.

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CSM ↓	6Q	M. Mitsuhashi et al., "Technical Report: Part 1. Basic Requirements for Designing Optimal Oligonucleotide Probe Sequences", J. of Clinical Laboratory Analysis, Vol. 10, No. 5, pp. 277-284, 1996
	6R	M. Mitsuhashi et al., "Technical Report: Part 2. Basic Requirements for Designing Optimal PCR Primers", J. of Clinical Laboratory Analysis, Vol. 10, No. 5, pp. 285-293, 1996
	6S	M. Mitsuhashi et al., "Strategy for Designing Specific Antisense Oligonucleotide Sequences", J. of Gastroenterology, Vol. 32, No. 2, pp. 282-287, 1997

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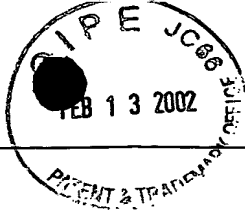
GSM ↓ ✓	7Q	W. Rychlik et al., "A Computer Program for Choosing Optimal Oligonucleotides for Filter Hybridization, Sequencing and in vitro Amplification of DNA", Nucleic Acids Research, Vol. 17, No. 21, pp. 8543-8551, 1989
	7R	J.A. Jaeger et al., "Improved Predictions of Secondary Structures for RNA", Proc. Natl. Acad. Sci. USA, Vol. 86, p.7706, 1989
	7S	S.F. Altschul et al., "Issues in Searching Molecular Sequence Databases", Nature Genetics, Vol. 6, pp. 119-129, 1994

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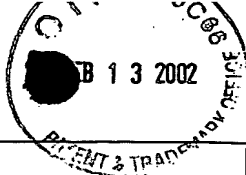
CSM ↓ ✓	8Q	V. Patzel et al., "Theoretical Design of Antisense RNA Structures Substantially Improves Annealing Kinetics and Efficacy in Human Cells", Nature Biotechnology, Vol. 16, pp. 64-68, 1998
	8R	N. Milner et al., "Selecting Effective Antisense Reagents on Combinatorial Oligonucleotide Arrays", Nature Biotechnology, Vol. 15, pp. 537-541, 1997
	8S	A. Pease et al., "Light-generated Oligonucleotide Arrays for Rapid DNA Sequence Analysis", Proc. Natl. Acad. Science USA, Vol. 91, pp.5022-5026, 1994

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CSM	9Q	Weber et al., "Molecular Dynamics Simulation of Polymers", J. Chem. Phys., Vol. 71, No. 11, pp. 4760-4762, 1979
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